CINT2000 Result

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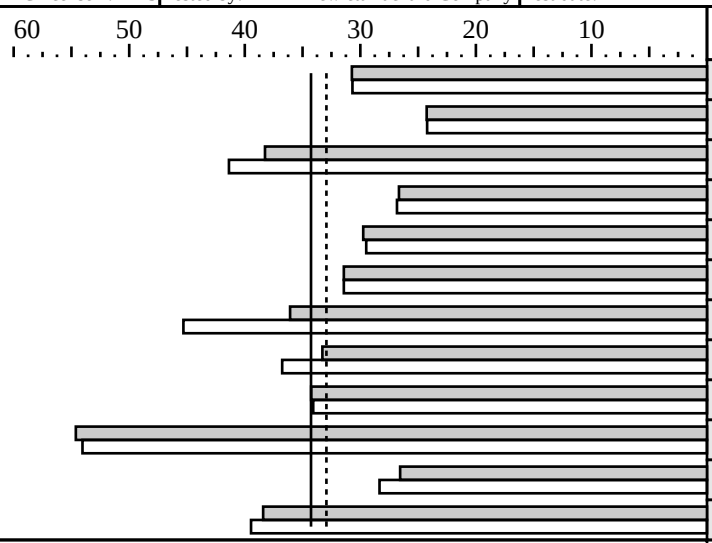
Hewlett-Packard Company

ProLiant BL30p (3.2GHz/2MB L3 cache, Intel Xeon)

SPECint_rate2000 = 34.3

SPECint_rate_base2000 = 32.9

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Nov-2004 | Hardware Avail: Jul-2004 | Software Avail: Oct-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	106	30.7	2	106	30.7
175.vpr	2	134	24.3	2	134	24.2
176.gcc	2	66.7	38.3	2	61.7	41.4
181.mcf	2	157	26.7	2	156	26.8
186.crafty	2	78.0	29.7	2	78.7	29.5
197.parser	2	133	31.4	2	133	31.4
252.eon	2	83.6	36.1	2	66.6	45.3
253.perlbmk	2	125	33.3	2	114	36.8
254.gap	2	74.5	34.3	2	74.9	34.1
255.vortex	2	80.7	54.6	2	81.6	54.0
256.bzip2	2	131	26.6	2	123	28.3
300.twolf	2	181	38.4	2	176	39.5

Hardware

CPU:	Intel Xeon (3.2GHz, 533MHz bus)
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip (HT Technology disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K micro-ops I + 8KBD on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	2048KB(I+D) on chip
Other Cache:	N/A
Memory:	4x512MB PC2100
Disk Subsystem:	2x60GB ATA
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard (Build 3790)
Compiler:	Intel C++ Compiler 8.1 Build 20040802Z Microsoft Visual Studio .NET 7.0.9466 (for libraries) MicroQuill Smartheap Library 7.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning for C programs:   -QxN -Qipo -O3 +FDO ONESTEP=yes
Base tuning for C++ programs: -Qipo -GX -GR +FDO ONESTEP=yes
Portability flags:
  176.gcc: -Dalloca=_alloca /F10000000
  186.crafty: -DNT_i386
  253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
  254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
  164.gzip:       -QxN -Qipo -Oa  -O3   +FDO ONESTEP=yes
  175.vpr:        -QxN -Qipo      -O3   +FDO ONESTEP=yes
  176.gcc:        -QxN -Qipo -Oi- -O3   +FDO ONESTEP=yes
  181.mcf:        -QxN -Qipo -O3        +FDO ONESTEP=yes shlw32M.lib
  186.crafty:     -QxN -Qipo -Oa  -O3   +FDO ONESTEP=yes shlw32M.lib
  197.parser:     -QxN -Qipo -O3        +FDO ONESTEP=yes
  252.eon:        -QxN -Qipo -O3        +FDO ONESTEP=yes
  253.perlbmk:         -Qipo -Oa  -O3   +FDO ONESTEP=yes shlw32M.lib
  254.gap:        -QxN -Qipo -O3        +FDO ONESTEP=yes
  255.vortex:     -QxN -Qipo -O3        +FDO ONESTEP=yes shlw32M.lib
  256.bzip2:      -Qunroll1  -Oa -Qipo  +FDO ONESTEP=yes
```

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Notes/Tuning Information (Continued)

```
  300.twolf:      -QxN -Qipo -O3        +FDO ONESTEP=yes shlw32M.lib
BIOS Configuration Notes
  Hyper Threading disabled
```